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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/633,915	08/04/2003	John R. Frank	113744.123 (US2)	7574
23483	7590	07/25/2008	EXAMINER	
WILMERHALE/BOSTON			LIN, WEN TAI	
60 STATE STREET			ART UNIT	
BOSTON, MA 02109			PAPER NUMBER	
			2154	
			NOTIFICATION DATE	
			DELIVERY MODE	
			07/25/2008	
			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/633,915	Applicant(s) FRANK, JOHN R.	
	Examiner Wen-Tai Lin	Art Unit 2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 June 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3,6-9,11-13 and 16-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 3, 6-9, 11-13 and 16-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1, 3, 6-9, 11-13 and 16-25 are presented for examination. Claims 17-25 are newly added.
2. This office action is made non-final because the examiner reversed his previous opinion on the features of claims 14 -15 (which have been merged into their respective parent claims 1 and 3) in view of a new found prior art and/or arguments.
3. The text of those sections of Title 35, USC code not included in this action can be found in the prior Office Action.

Claim Rejections - 35 USC § 103

4. Claims 1, 3, 6-9, 11-13 and 16-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rossmann et al. [U.S. PGPub 2004111669] in view of Hancock et al. [U.S. PGPub 20050283503] and Gilmour [U.S. Pat. No. 6377949].
5. Rossmann and Hancock were cited in the previous office action.

6. As to claims 1, 12-13 and 16, Rossmann teaches automatically extracting desired address or telephone information from a unstructured electronic text document such as a web page and send the extracted spatial identifiers to another location (such as a server on a web site or another computer [see Figs. 6-7 and paragraphs 75, 78 and 82]) for obtaining a map on which the interested addresses are located [e.g., Abstract; paragraphs 10, 55-59 and 85]. Note that the returned spatial information includes a map and/or direction to the spatial identifier (e.g., the address).

Rossmann does not specifically teach that the returned spatial information includes spatial coordinates corresponding to the spatial identifiers. However, Hancock teaches a system for querying a Universal Geographic Database (UGD) for retrieving spatial coordinates such as longitude and latitude that are associated with a given proprietary location address (i.e., spatial identifier) such as street address and other contact information [e.g., Abstract; Fig.12b; paragraph 186].

It would have been obvious to one of ordinary skill in the art to make use of Hancock's UGD for retrieving more precise geographic coordinates (i.e., by forwarding Rossmann's captured address information as input to Hancock's UGD) because the UGD provided spatial coordinates (longitude and latitude) are textual, universal parameters which can be easily integrated into Rossmann's Personal Information Manager (PIM).

Further, Rossmann and Hancock do not specifically teach assigning a spatial relevance level of a client document to the user query.

However, it is typical in the art of web search to rank documents among the searched results by calculating the relevance of each document with respect to the queried keywords. For

example, in the same field of endeavor, Gilmour teaches assigning a confidence level (i.e., based on its relevancy) to a search term within an electronic document [e.g., Abstract]. Other examples may be found in the major search engines such as those of Goggle or Yahoo wherein search results are ordered in sequence of their relevance to the queried terms.

It would have been obvious to an ordinary skill in the art to have assigned the relevance/confidence level to each spatial identifier because the relevance/confidence levels enables a user to pick the most relevant results or filter out the unrelated ones.

7. As to claims 3 and 6, Rossmann teaches that in general the address information is extracted from a web page. Rossmann does not specifically teach submitting and processing a plurality of client documents to the geolocating service for extracting spatial identifiers and obtaining their correspondent spatial coordinates that are indexed to each respective document.

However, submitting a plurality processing tasks as a batch is well known in the art. It would have been obvious to one of ordinary skill in the art to have submitted a plurality of web pages, when they are available, to Rossmann's spatial identifier capturing and Hancock's geolocating service system because it saves human labor from interfacing the system on a per-document basis.

8. As to claims 7-8, Rossmann and Hancock do not specifically teach how the address associated with the server is obtained.

However, it is well known in the art of Internet surfing that a user may use a popular search engine to find a desired service and bookmark the address to its local memory.

It would have been obvious to one of ordinary skill in the art at the time the invention was made that a first user of Rossmann and Hancock's system to adopt the same approach by searching on the Internet for said address associated with the server that provides a geolocating service to users and subsequently read said address from a local memory because it is convenient to find a service provider's address by searching the Internet, followed by book-marking the acquired address.

9. As to claims 9 and 11, Rossmann and Hancock do not specifically teach that the documents are transferred back to the client computer along with the geolocation information or extracted spatial identifiers.

However, Rossmann teaches that the unstructured text from which the spatial identifiers is contained in web pages and there are many different ways to promote various subsequent services/operations based on the web pages that have been served to a user [e.g., paragraphs 45 – 67]. As such, it is an obvious option to transfer back the documents along with results of selected various services associated with the pages because it facilitates the correlation between the input and output data by transferring the original documents along with the results.

10. As to claims 16-25, since the features of these claims can also be found in claims 1, 3, 6-9 and 11-13, they are rejected for the same reasons set forth in the rejection of claims 1, 3, 6-9 and 11-13 above.

Conclusion

Examiner note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wen-Tai Lin whose telephone number is (571)272-3969. The examiner can normally be reached on Monday-Friday(8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(571) 273-8300 for official communications; and

(571) 273-3969 for status inquiries draft communication.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wen-Tai Lin

July 18, 2008

/Wen-Tai Lin/

Primary Examiner, Art Unit 2154